

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

100032

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Dajie, Xicheng District, Beijing P.R.CHINA  
IntellecPro China Limited

PCT

WRITTEN OPINION OF THE INTERNATIONAL  
SEARCHING AUTHORITY(PCT Rule 43 *bis*.1)Date of mailing  
(day/month/year)

09 MAR 2006 (09 - 03 - 2006)

Applicant's or agent's file reference

105BJ1139

FOR FURTHER ACTION

see paragraph 2 below

International application No.

PCT/CN2005/002384

International filing date (day/month/year)

30.Dec 2005 (30.12.2005)

Priority date (day/month/year)

International Patent Classification (IPC) or both national classification and IPC

G06F 7/32 (2006.01) i

Applicant

INTEL CORPORATION et al

## 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

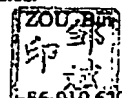
## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

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| Name and mailing address of the ISA/CN<br>The State Intellectual Property Office, the<br>P.R.China 6 Xitucheng Rd., Jimen Bridge,<br>Haidian District, Beijing, China 100088<br>Facsimile No. 86-10-62019451 | Date of completion of this opinion<br><br>22.Feb 2006 (22.02.2006) | Authorized officer<br><br>Telephone No. 86-010-62084953 |
|--|--|--|

Form PCT/ISA/237(cover sheet)(April 2005)

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**International application No.  
PCT/CN2005/002384**Box No. 1 Basis of the opinion**

1. With regard to the language, this opinion has been established on the basis of:

- ☒ the international application in the language in which it was filed  
☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

- a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
- b. format of material  
☐ on paper  
☐ in electronic form
- c. time of filing/furnishing  
☐ contained in the international application as filed  
☐ filed together with the international application in electronic form  
☐ furnished subsequently to this Authority for the purposes of search

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/CN2005/002384

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement:**

|                               |        |      |     |
|-------------------------------|--------|------|-----|
| Novelty (N)                   | Claims | 1-24 | YES |
|                               | Claims | None | NO  |
| Inventive step (IS)           | Claims | 1-24 | YES |
|                               | Claims | None | NO  |
| Industrial applicability (IA) | Claims | 1-24 | YES |
|                               | Claims | None | NO  |

**2. Citations and explanations**

The present invention discloses a system for evaluating and selecting programming code.

D1, D2 are considered to be the closest prior art:

D1: US, A, 5901240

D2: US, A1, 20040243412

D1 discloses a method of processing a digital radiographic image, the true positive values of pixels other than false positive value is identified using specific filter and specific pixel lines satisfying collimation levels is selected, then the collimation area is determined based on target collimation levels, the collimation boundary transitions along specific line profile is classified based on their characteristics, then candidate collimation level is judged based on fuzzy logic process satisfying specific boundary conditions, the collimation level is specified by a hypothesis tree with root node indicating the null or empty collimation areas, by traversing the hypothesis tree, figure-of-merit (FOM) values is assigned to each collimation process model;

D2 discloses a system which has a speech recognition engine to compare user utterances to a database of speech models to recognize the user utterances, a sequence generator generates a set of known inputs used by an adaptation module to modify the database of speech models. the generator selects a subset of the known inputs based on a characterization of previous user utterances by a pronunciation evaluation module, the generator selects the subset of the known inputs based on the characterization of previous user utterances by the pronunciation evaluation module, thus an automatic speech recognition system can be trained efficiently by concentrating on particular speech models that are more problematic than other models;

It is obvious that not all the technical features in claims 1-24 are disclosed by D1 or D2, and further the technical solutions claimed are not obvious to a person skilled on the basis of D1, D2 or their combination. Thus, claims 1-24 have novelty under PCT Article 33(2), and have inventive step under PCT Article 33(3);

Claims 1-24 have industrial applicability under PCT Article 33(4), because the code generation system claimed can be made or used in the industry.